


<p>88-116706/17 E19 C04 LIOY 05.09.86 LION CORP *J6 3063-799-A 05.09.86-JP-208969-(22.03.88) C11d-01/72 C11d-07/50 C11d-10/12 Emulsifier compsn. for dry-cleaning solvent - comprises polyoxyethylene nonionic activator and e.g. carboxylic acid cpd. for highly stable water emulsion C88-052625</p>	<p>E(5-B, 5-G9D, 10-A9B7, 10-A9Bt, 10-C4C, 10-C4L, 10-E4K, 10-E4M3) G/4-B81</p>
<p>A new emulsifier compsn. for dry-cleaning solvents contains (A) 5-70 wt. % of a nonionic activator of formula (I) and (B) one or more cpds. of formulae (II) to (V) with a (B)/(A) ratio of 0.05-0.7.</p> $R_1-O-(CH_2\overset{R_2}{\underset{ }{CHO}})_{n_1}-H \quad (I)$ $R_3-COO-(CH_2\overset{R_4}{\underset{ }{CHO}})_{n_2}-H \quad (II)$ $R_5-COOM_1 \quad (III)$ $\begin{matrix} R_6 \\ R_7 \end{matrix} \begin{matrix} \diagup \\ \diagdown \end{matrix} X-SO_3M_2 \quad (IV)$	$R_8-O-(CH_2CH_2O)_{n_1}-P \begin{matrix} \diagup O \\ \diagdown N_1 \\ \diagup Y_1 \end{matrix} \quad (V)$  <p>(i)</p> $\begin{matrix} O \\ \\ -O-C-CH- \\ \\ O-C-CH_2 \\ \\ O \end{matrix} \quad (iii)$ <p>$R_1 = 8-20C$ alkyl or alkenyl gp. or (8-20C alkyl gp.)-subst. phenyl gp., $n_1 = 2-20$</p> <p>J63063799-A</p>

DERWENT PUBLICATIONS LTD.

$R_2 = H$ or CH_3 ;
 $R_3 = 8-20C$ alkyl or alkenyl gp. or 8-20C alkyl or alkenyl gp. or (8-20C alkyl gp.)-subst. phenyl gp.;
 $n_2 = 2-20$
 $R_4 = H$ or CH_3 ;
 $R_5 = 8-20C$ alkyl or alkenyl or (8-20C alkyl)-subst. phenyl;
 $M_1 = Ca, Al$ or Mg .
 $X = (i)$ or (ii) .
 $R_6, R_7 = H$ or 8-22C alkyl or alkenyl (they may be same of different but they are not both H)
 $M_2 =$ alkali(ne earth) metal,
 $R_8 = 8-20C$ alkyl or alkenyl,
 $n_1 = 0-10$;
 $X_1, Y_1 = OM_1$ or $-(OCH_2CH_2)_{n_1}-OR_8$ and
 $M_1 = H$ or alkali(ne earth) metal.

USE/ADVANTAGE

The compsn. gives a highly stable water-solvent emulsion. It prevents resoiling and gives good flexibility to wool, cotton, flex, etc. (6ppDwgNo0/0).

J63063799-A

DERWENT PUBLICATIONS LTD.